Table 5A

Gene	Accession	Seq	SEQ ID NO:
AIB1	NM_006534	GCGGCGAGTTTCCGATTTAAAGCTGAGCTGCGAGGAAAATGGCGGCGGGAGGATCAAAATACTTGCTGGATGGTGGACTCA	1
AKT1	NM_005163	CGCTTCTATGGCGCTGAGATTGTGTCAGCCCTGGACTACCTGCACTCGGAGAAGAACGTGGTGTACCGGGA	2
AKT2	NM_001626	TCCTGCCACCCTTCAAACCTCAGGTCACGTCCGAGGTCGACACAAGGTACTTCGATGATGAATTTACCGCC	3
APC	NM_000038	GGACAGCAGGAATGTGTTTCTCCATACAGGTCACGGGGAGCCAATGGTTCAGAAACAAATCGAGTGGGT	4
AREG	NM_001657	TGTGAGTGAAATGCCTTCTAGTAGTGAACCGTCCTCGGGAGCCGACTATGACTACTCAGAAGAGTATGATAACGAACCACAA	5
B-actin	NM_001101	CAGCAGATGTGGATCAGCAAGCAGGAGTATGACGAGTCCGGCCCCTCCATCGTCCACCGCAAATGC	6
B-Catenin	NM_001904	GGCTCTTGTGCGTACTGTCCTTCGGGCTGGTGACAGGGAAGACATCACTGAGCCTGCCATCTGTGCTCTTCGTCATCTGA	7
BAD	NM_032989	GGGTCAGGTGCCTCGAGATCGGGCTTGGGCCCAGAGCATGTTCCAGATCCCAGAGTTTGAGCCGAGTGAGCAG	8
BAG1	NM_004323	CGTTGTCAGCACTTGGAATACAAGATGGTTGCCGGGTCATGTTAATTGGGAAAAAGAACAGTCCACAGGAAGAGGTTGAAC	9
BBC3	NM_014417	CCTGGAGGGTCCTGTACAATCTCATCATGGGACTCCTGCCCTTACCCAGGGGCCACAGAGCCCCCGAGATGGAGCCCAATTAG	10
Bcl2	NM_000633	CAGATGGACCTAGTACCCACTGAGATTTCCACGCCGAAGGACAGCGATGGGAAAAATGCCCTTAAATCATAGG	11
CA9	NM_001216	ATCCTAGCCCTGGTTTTTGGCCTCCTTTTTGCTGTCACCAGCGTCGCGTTCCTTGTGCAGATGAGAAGGCAG	12
CCNB1	NM_031966	TTCAGGTTGTTGCAGGAGACCATGTACATGACTGTCTCCATTATTGATCGGTTCATGCAGAATAATTGTGTGCCCAAGAAGATG	13
CCND1	NM_001758	GCATGTTCGTGGCCTCTAAGATGAAGGAGACCATCCCCCTGACGGCCGAGAAGCTGTGCATCTACACCG	14
CCNE1	NM_001238	AAAGAAGATGATGACCGGGTTTACCCAAACTCAACGTGCAAGCCTCGGATTATTGCACCATCCAGAGGCTC	15
CCNE2	NM_057749	ATGCTGTGGCTCCTTCCTAACTGGGGCTTTCTTGACATGTAGGTTGCTTGGTAATAACCTTTTTGTATATCACAATTTGGGT	16
CD3z	NM_000734	AGATGAAGTGGAAGGCGCTTTTCACCGCGGCCATCCTGCAGGCACAGTTGCCGATTACAGAGGCA	17
CD68	NM_001251	TGGTTCCCAGCCCTGTGTCCACCTCCAAGCCCAGATTCAGATTCGAGTCATGTACACAACCCAGGGTGGAGGAG	18
CD9	NM_001769	GGGCGTGGAACAGTTTATCTCAGACATCTGCCCCAAGAAGGACGTACTCGAAACCTTCACCGTG	19
CDH1	NM_004360	TGAGTGTCCCCCGGTATCTTCCCCGCCCTGCCAATCCCGATGAAATTGGAAATTTTATTGATGAAAATCTGAAAGCGGCTG	20
CEGP1	NM_020974	TGACAATCAGCACACCTGCATTCACCGCTCGGAAGAGGGCCTGAGCTGCATGAATAAGGATCACGGCTGTAGTCACA	21
Chk1	NM_001274	GATAAATTGGTACAAGGGATCAGCTTTTCCCAGCCCACATGTCCTGATCATATGCTTTTGAATAGTCAGTTACTTGGCACCC	22
CIAP1	NM_001166	TGCCTGTGGTGGGAAGCTCAGTAACTGGGAACCAAAGGATGATGCTATGTCAGAACACCGGAGGCATTTTCC	23
cIAP2	NM_001165	GGATATTTCCGTGGCTCTTATTCAAACTCTCCATCAAATCCTGTAAACTCCAGAGCAAATCAAGATTTTTCTGCCTTGATGAGAAG	24
cMet	NM_000245	GACATTTCCAGTCCTGCAGTCAATGCCTCTCTGCCCCACCCTTTGTTCAGTGTGGCTGGTGCCACGACAAATGTGTGCGATCGGAG	25
Contig 27882	AK000618	GGCATCCTGGCCCAAAGTTTCCCAAATCCAGGCGGCTAGAGGCCCACTGCTTCCCAACTACCAGCTGAGGGGGTC	26
COX2	NM_000963	TCTGCAGAGTTGGAAGCACTCTATGGTGACATCGATGCTGTGGAGCTGTATCCTGCCCTTCTGGTAGAAAAGCCTCGGC	27
CTSL	NM_001912	GGGAGGCTTATCTCACTGAGTGAGCAGAATCTGGTAGACTGCTCTGGGCCTCAAGGCAATGAAGGCTGCAATGG	28
CTSL2	NM_001333	TGTCTCACTGAGCGAGCAGAATCTGGTGGACTGTTCGCGTCCTCAAGGCAATCAGGGCTGCAATGGT	29
DAPK1	NM_004938	CGCTGACATCATGAATGTTCCTCGACCGGCTGGAGGCGAGTTTGGATATGACAAAGACACATCGTTGCTGAAAGAGA	30
DIABLO	NM_019887	CACAATGGCGGCTCTGAAGAGTTGGCTGTCGCGCAGCGTAACTTCATTCTTCAGGTACAGACAGTGTTTGTGT	31

Table 5B

Gene	Accession	Seq	SEQ ID NO:
DR5	NM_003842	CTCTGAGACAGTGCTTCGATGACTTTGCAGACTTGGTGCCCTTTGACTCCTGGGAGCCGCTCATGAGGAAGTTGGGCCTCATGG	32
EGFR	NM_005228	TGTCGATGGACTTCCAGAACCACCTGGGCAGCTGCCAAAAGTGTGATCCAAGCTGTCCCAAT	33
EIF4E	NM_001968	GATCTAAGATGGCGACTGTCGAACCGGAAACCACCCCTACTCCTAATCCCCCGACTACAGAAGAGGAGAAAACGGAATCTAA	34
EMS1	NM_005231	GGCAGTGTCACTGAGTCCTTGAAATCCTCCCCTGCCCCGCGGGTCTCTGGATTGGGACGCACAGTGCA	35
EpCAM	NM_002354	GGGCCCTCCAGAACAATGATGGGCTTTATGATCCTGACTGCGATGAGAGCGGGCTCTTTAAGGCCAAGCAGTGCA	36
EPHX1	NM_000120	ACCGTAGGCTCTGCTCTGAATGACTCTCCTGTGGGTCTGGCTGCCTATATTCTAGAGAAGTTTTCCACCTGGACCA	37
ErbB3	NM_001982	CGGTTATGTCATGCCAGATACACACCTCAAAGGTACTCCCTCCTCCCGGGAAGGCACCCTTTCTTCAGTGGGTCTCAGTTC	38
EstR1	NM_000125	CGTGGTGCCCCTCTATGACCTGCTGCTGGAGATGCTGGACGCCCACCGCCTACATGCGCCCACTAGCC	39
FBXO5	NM_012177	GGCTATTCCTCATTTTCTCTACAAAGTGGCCTCAGTGAACATGAAGAAGGTAGCCTCCTGGAGGAGAATTTCGGTGACAGTCTACAATCC	40
FGF18	NM_003862	CGGTAGTCAAGTCCGGATCAAGGGCAAGGAGACGGAATTCTACCTGTGCATGAACCGCAAAGGCAAGC	41
FGFR1	NM_023109	CACGGGACATTCACCACATCGACTACTATAAAAAGACAACCAACGGCCGACTGCCTGTGAAGTGGATGGCACCC	42
FHIT	NM_002012	CCAGTGGAGCGCTTCCATGACCTGCGTCCTGATGAAGTGGCCGATTTGTTTCAGACGACCCAGAGAG	43
FRP1	NM_003012	TTGGTACCTGTGGGTTAGCATCAAGTTCTCCCCAGGGTAGAATTCAATCAGAGCTCCAGTTTGCATTTGGATGTG	44
G-Catenin	NM_002230	TCAGCAGCAAGGGCATCATGGAGGAGGATGAGGCCTGCGGGCGCCAGTACACGCTCAAGAAAACCACC	45
GAPDH	NM_002046	ATTCCACCCATGGCAAATTCCATGGCACCGTCAAGGCTGAGAACGGGAAGCTTGTCATCAATGGAAATCCCATC	46
GATA3	NM_002051	CAAAGGAGCTCACTGTGGTGTCTGTGTTCCAACCACTGAATCTGGACCCCATCTGTGAATAAGCCATTCTGACTC	47
GRB7	NM_005310	CCATCTGCATCCATCTTGTTTGGGCTCCCCACCCTTGAGAAGTGCCTCAGATAATACCCTGGTGGCC	48
GRO1	NM_001511	CGAAAAGATGCTGAACAGTGACAAATCCAACTGACCAGAAGGGAGGAGGAAGCTCACTGGTGGCTGTTCCTGA	49
GSTM1	NM_000561	AAGCTATGAGGAAAAGAAGTACACGATGGGGGACGCTCCTGATTATGACAGAAGCCAGTGGCTGAATGAAAAATTCAAGCTGGGCC	50
GUS	NM_000181	CCCACTCAGTAGCCAAGTCACAATGTTTGGAAAACAGCCCGTTTACTTGAGCAAGACTGATACCACCTGCGTG	51
HER2	NM_004448	CGGTGTGAGAAGTGCAGCAAGCCCTGTGCCCGAGTGTGCTATGGTCTGGGCATGGAGCACTTGCGAGAGG	52
HIF1A	NM_001530	TGAACATAAAGTCTGCAACATGGAAGGTATTGCACTGCACAGGCCACATTCACGTATATGATACCAACAGTAACCAACCTCA	53
HNF3A	NM_004496	TCCAGGATGTTAGGAACTGTGAAGATGGAAGGGCATGAAACCAGCGACTGGAACAGCTACTACGCAGACACGC	54
ID1	NM_002165	AGAACCGCAAGGTGAGCAAGGTGGAGATTCTCCAGCACGTCATCGACTACATCAGGGACCTTCAGTTGGA	55
IGF1	NM_000618	TCCGGAGCTGTGATCTAAGGAGGCTGGAGATGTATTGCGCACCCCTCAAGCCTGCCAAGTCAGCTCGCTCTGTCCG	56
IGF1R	NM_000875	GCATGGTAGCCGAAGATTTCACAGTCAAAATCGGAGATTTTGGTATGACGCGAGATATCTATGAGACAGACTATTACCGGAAA	57
IGFBP2	NM_000597	GTGGACAGCACCATGAACATGTTGGGCGGGGGAGGCAGTGCTGGCCGGAAGCCCCTCAAGTCGGGTATGAAGG	58
IL6	NM_000600	CCTGAACCTTCCAAAGATGGCTGAAAAAGATGGATGCTTCCAATCTGGATTCAATGAGGAGACTTGCCTGGT	59
IRS1	NM_005544	CCACAGCTCACCTTCTGTCAGGTGTCCATCCCAGCTCCAGCCAGCTCCCAGAGAGGAAGAGACTGGCACTGAGG	60
Ki-67	NM_002417	CGGACTTTGGGTGCGACTTGACGAGCGGTGGTTCGACAAGTGGCCTTGCGGGCCGGATCGTCCCAGTGGAAGAGTTGTAA	61
KLK10	NM_002776	GCCCAGAGGCTCCATCGTCCATCCTCTTCCTCCCCAGTCGGCTGAACTCTCCCCTTGTCTGCACTGTTCAAACCTCTG	62

Table 5C

Gene	Accession	Seq	SEQ ID NO:
KRT14	NM_000526	GGCCTGCTGAGATCAAAGACTACAGTCCCTACTTCAAGACCATTGAGGACCTGAGGAACAAGATTCTCACAGCCACAGTGGAC	63
KRT17	NM_000422	CGAGGATTGGTTCTTCAGCAAGACAGAGGAACTGAACCGCGAGGTGGCCACCAACAGTGAGCTGGTGCAGAGT	64
KRT18	NM_000224	AGAGATCGAGGCTCTCAAGGAGGAGCTGCTCTTCATGAAGAAGAACCACGAAGAGGAAGTAAAAGGCC	65
KRT19	NM_002276	TGAGCGGCAGAATCAGGAGTACCAGCGGCTCATGGACATCAAGTCGCGGCTGGAGCAGGAGATTGCCACCTACCGCA	66
KRT5	NM_000424	TCAGTGGAGAAGGAGTTGGACCAGTCAACATCTCTGTTGTCACAAGCAGTGTTTCCTCTGGATATGGCA	67
KRT8	NM_002273	GGATGAAGCTTACATGAACAAGGTAGAGCTGGAGTCTCGCCTGGAAGGGCTGACCGACGAGATCAACTTCCTCAGGCAGCTATATG	68
LOT1 variant 1	NM_002656	GGAAAGACCACCTGAAAAACCACCTCCAGACCCACGACCCCAACAAAATGGCCTTTGGGTGTGAGGAGTGTGGGAAGAAGTAC	69
Maspin	NM_002639	CAGATGGCCACTTTGAGAACATTTTAGCTGACAACAGTGTGAACGACCAGACCAAAATCCTTGTGGTTAATGCTGCC	70
MCM2	NM_004526	GACTTTTGCCCGCTACCTTTCATTCCGGCGTGACAACAATGAGCTGTTGCTCTTCATACTGAAGCAGTTAGTGGC	71
MCM3	NM_002388	GGAGAACAATCCCCTTGAGACAGAATATGGCCTTTCTGTCTACAAGGATCACCAGACCATCACCATCCAGGAGAT	72
MCM6	NM_005915	TGATGGTCCTATGTGTCACATTCATCACAGGTTTCATACCAACACAGGCTTCAGCACTTCCTTTGGTGTGTTTCCTGTCCCA	73
MDM2	NM_002392	CTACAGGGACGCCATCGAATCCGGATCTTGATGCTGGTGTAAGTGAACATTCAGGTGATTGGTTGGAT	74
MMP9	NM_004994	GAGAACCAATCTCACCGACAGGCAGCTGGCAGAGGAATACCTGTACCGCTATGGTTACACTCGGGTG	75
MTA1	NM_004689	CCGCCCTCACCTGAAGAGAAACGCGCTCCTTGGCGGACACTGGGGGAGGAGAGGAAGAAGCGCGGCTAACTTATTCC	76
MYBL2	NM_002466	GCCGAGATCGCCAAGATGTTGCCAGGGAGGACAGACAATGCTGTGAAGAATCACTGGAACTCTACCATCAAAAG	77
P14ARF	S78535	CCCTCGTGCTGATGCTACTGAGGAGCCAGCGTCTAGGGCAGCAGCCGCTTCCTAGAAGACCAGGTCATGATG	78
p27	NM_004064	CGGTGGACCACGAAGAGTTAACCCGGGACTTGGAGAAGCACTGCAGAGACATGGAAGAGGCGAGCC	79
P53	NM_000546	CTTTGAACCCTTGCTTGCAATAGGTGTGCGTCAGAAGCACCCAGGACTTCCATTTGCTTTGTCCCGGG	80
PAI1	NM_000602	CCGCAACGTGGTTTTCTCACCCTATGGGGTGGCCTCGGTGTTGGCCATGCTCCAGCTGACAACAGGAGGAGAAACCCAGCA	81
PDGFRb	NM_002609	CCAGCTCTCCTTCCAGCTACAGATCAATGTCCCTGTCCGAGTGCTGGAGCTAAGTGAGAGCCACCC	82
PI3KC2A	NM_002645	ATACCAATCACCGCACAAACCCAGGCTATTTGTTAAGTCCAGTCACAGCGCAAAGAAACATATGCGGAGAAAATGCTAGTGTG	83
PPM1D	NM_003620	GCCATCCGCAAAGGCTTTCTCGCTTGTCACCTTGCCATGTGGAAGAAACTGGCGGAATGGCC	84
PR	NM_000926	GCATCAGGCTGTCATTATGGTGTCCTTACCTGTGGGAGCTGTAAGGTCTTCTTTAAGAGGGCAATGGAAGGGCAGCACAACTACT	85
PRAME	NM_006115	TCTCCATATCTGCCTTGCAGAGTCTCCTGCAGCACCTCATCGGGCTGAGCAATCTGACCCACGTGC	86
pS2	NM_003225	GCCCTCCCAGTGTGCAAATAAGGGCTGCTGTTTCGACGACACCGTTCGTGGGGTCCCCTGGTGCTTCTATCCTAATACCATCGACG	87
RAD51C	NM_058216	GAACTTCTTGAGCAGGAGCATACCCAGGGCTTCATAATCACCTTCTGTTCAGCACTAGATGATATTCTTGGGGGTGGA	88
RB1	NM_000321	CGAAGCCCTTACAAGTTTCCTAGTTCACCCTTACGGATTCCTGGAGGGAACATCTATATTTCACCCCTGAAGAGTCC	89
RIZ1	NM_012231	CCAGACGAGCGATTAGAAGCGGCAGCTTGTGAGGTGAATGATTTGGGGGAAGAGGAGGAGGAGGAAGAGGAGGA	90
STK15	NM_003600	CATCTTCCAGGAGGACCACTCTCTGTGGCACCCTGGACTACCTGCCCCCTGAAATGATTGAAGGTCGGA	91
STMY3	NM_005940	CCTGGAGGCTGCAACATACCTCAATCCTGTCCCAGGCCGGATCCTCCTGAAGCCCTTTTCGCAGCACTGCTATCCTCCAAAGCCATTGTA	92
SURV	NM_001168	TGTTTTGATTCCCGGGCTTACCAGGTGAGAAGTGAGGGAGGAAGAAGGCAGTGTCCCTTTTGCTAGAGCTGACAGCTTTG	93

Table 5D

Gene	Accession	Seq	SEQ ID NO:
TBP	NM_003194	GCCCGAAACGCCGAATATAATCCCAAGCGGTTTGCTGCGGTAATCATGAGGATAAGAGAGCCACG	94
TGFA	NM_003236	GGTGTGCCACAGACCTTCCTACTTGGCCTGTAATCACCTGTGCAGCCTTTTGTGGGCCTTCAAAACTCTGTCAAGAACTCCGT	95
TIMP1	NM_003254	TCCCTGCGGTCCCAGATAGCCTGAATCCTGCCCGGAGTGGAACTGAAGCCTGCACAGTGTCCACCCTGTTCCCAC	96
TOP2A	NM_001067	AATCCAAGGGGGAGAGTGATGACTTCCATATGGACTTTGACTCAGCTGTGGCTCCTCGGGCAAAATCTGTAC	97
TOP2B	NM_001068	TGTGGACATCTTCCCCTCAGACTTCCCTACTGAGCCACCTTCTCTGCCACGAACCGGTCGGGCTAG	98
TP	NM_001953	CTATATGCAGCCAGAGATGTGACAGCCACCGTGGACAGCCTGCCACTCATCACAGCCTCCATTCTCAGTAAGAAACTCGTGG	99
TP53BP2	NM_005426	GGGCCAAATATTCAGAAGCTTTTATATCAGAGGACCACCATAGCGGCCATGGAGACCATCTCTGTCCCATCATACCCATCC	100
TRAIL	NM_003810	CTTCACAGTGCTCCTGCAGTCTCTCTGTGTGGCTGTAACTTACGTGTACTTTACCAACGAGCTGAAGCAGATG	101
TS	NM_001071	GCCTCGGTGTGCCTTTCAACATCGCCAGCTACGCCCTGCTCACGTACATGATTGCGCACATCACG	102
upa	NM_002658	GTGGATGTGCCCTGAAGGACAAGCCAGGCGTCTACACGAGAGTCTCACACTTCTTACCCTGGATCCGCAG	103
VDR	NM_000376	GCCCTGGATTTCAGAAAGAGCCAAGTCTGGATCTGGGACCCTTTCCTTCCTTCCCTGGCTTGTAACT	104
VEGF	NM_003376	CTGCTGTCTTGGGTGCATTGGAGCCTTGCCTTGCTGCTCTACCTCCACCATGCCAAGTGGTCCCAGGCTGC	105
VEGFB	NM_003377	TGACGATGGCCTGGAGTGTGTGCCCACTGGGCAGCACCAAGTCCGGATGCAGATCCTCATGATCCGGTACC	106
WISP1	NM_003882	AGAGGCATCCATGAACTTCACACTTGCGGGCTGCATCAGCACACGCTCCTATCAACCCAAGTACTGTGGAGTTTG	107
XIAP	NM_001167	GCAGTTGGAAGACACAGGAAAGTATCCCCAAATTGCAGATTTATCAACGGCTTTTATCTTGAAAATAGTGCCACGCA	108
YB-1	NM_004559	AGACTGTGGAGTTTGATGTTGTTGAAGGAGAAAAGGGTGCGGAGGCAGCAAATGTTACAGGTCCTGGTGGTGTTCC	109
ZNF217	NM_006526	ACCCAGTAGCAAGGAGAAGCCCACTCACTGCTCCGAGTGCGGCAAAGCTTTCAGAACCTACCACCAGCTG	110

Table 6A

Gene	Accession	Probe Name	Seq	Length	SEQ ID NO:
AIB1	NM_006534	S1994/AIB1.f3	GCGGCGAGTTTCCGATTTA	19	111
AIB1	NM_006534	S1995/AIB1.r3	TGAGTCCACCATCCAGCAAGT	21	112
AIB1	NM_006534	S5055/AIB1.p3	ATGGCGGCGGGAGGATCAAAA	21	113
AKT1	NM_005163	S0010/AKT1.f3	CGCTTCTATGGCGCTGAGAT	20	114
AKT1	NM_005163	S0012/AKT1.r3	TCCCGGTACACCACGTTCTT	20	115
AKT1	NM_005163	S4776/AKT1.p3	CAGCCCTGGACTACCTGCACTCGG	24	116
AKT2	NM_001626	S0828/AKT2.f3	TCCTGCCACCCTTCAAACC	19	117
AKT2	NM_001626	S0829/AKT2.r3	GGCGGTAAATTCATCATCGAA	21	118
AKT2	NM_001626	S4727/AKT2.p3	CAGGTCACGTCCGAGGTCGACACA	24	119
APC	NM_000038	S0022/APC.f4	GGACAGCAGGAATGTGTTTC	20	120
APC	NM_000038	S0024/APC.r4	ACCCACTCGATTTGTTTCTG	20	121
APC	NM_000038	S4888/APC.p4	CATTGGCTCCCCGTGACCTGTA	22	122
AREG	NM_001657	S0025/AREG.f2	TGTGAGTGAAATGCCTTCTAGTAGTGA	27	123
AREG	NM_001657	S0027/AREG.r2	TTGTGGTTCGTTATCATACTCTTCTGA	27	125
AREG	NM_001657	S4889/AREG.p2	CCGTCCTCGGGAGCCGACTATGA	23	124
B-actin	NM_001101	S0034/B-acti.f2	CAGCAGATGTGGATCAGCAAG	21	126
B-actin	NM_001101	S0036/B-acti.r2	GCATTTGCGGTGGACGAT	18	127
B-actin	NM_001101	S4730/B-acti.p2	AGGAGTATGACGAGTCCGGCCCC	23	128
B-Catenin	NM_001904	S2150/B-Cate.f3	GGCTCTTGTGCGTACTGTCCTT	22	129
B-Catenin	NM_001904	S2151/B-Cate.r3	TCAGATGACGAAGAGCACAGATG	23	130
B-Catenin	NM_001904	S5046/B-Cate.p3	AGGCTCAGTGATGTCTTCCCTGTCACCAG	29	131
BAD	NM_032989	S2011/BAD.f1	GGGTCAGGTGCCTCGAGAT	19	132
BAD	NM_032989	S2012/BAD.r1	CTGCTCACTCGGCTCAAACTC	21	133
BAD	NM_032989	S5058/BAD.p1	TGGGCCCAGAGCATGTTCCAGATC	24	134
BAG1	NM_004323	S1386/BAG1.f2	CGTTGTCAGCACTTGGAATACAA	23	135
BAG1	NM_004323	S1387/BAG1.r2	GTTCAACCTCTTCCTGTGGACTGT	24	135
BAG1	NM_004323	S4731/BAG1.p2	CCCAATTAACATGACCCGGCAACCAT	26	137
BBC3	NM_014417	S1584/BBC3.f2	CCTGGAGGGTCCTGTACAAT	20	138
BBC3	NM_014417	S1585/BBC3.r2	CTAATTGGGCTCCATCTCG	19	139
BBC3	NM_014417	S4890/BBC3.p2	CATCATGGGACTCCTGCCCTTACC	24	140
Bcl2	NM_000633	S0043/Bcl2.f2	CAGATGGACCTAGTACCCACTGAGA	25	141
Bcl2	NM_000633	S0045/Bcl2.r2	CCTATGATTTAAGGGCATTTTTCC	24	143
Bcl2	NM_000633	S4732/Bcl2.p2	TTCCACGCCGAAGGACAGCGAT	22	142
CA9	NM_001216	S1398/CA9.f3	ATCCTAGCCCTGGTTTTTGG	20	144
CA9	NM_001216	S1399/CA9.r3	CTGCCTTCTCATCTGCACAA	20	145
CA9	NM_001216	S4938/CA9.p3	TTTGCTGTCACCAGCGTCGC	20	146
CCNB1	NM_031966	S1720/CCNB1.f2	TTCAGGTTGTTGCAGGAGAC	20	147
CCNB1	NM_031966	S1721/CCNB1.r2	CATCTTCTTGGGCACACAAT	20	148
CCNB1	NM_031966	S4733/CCNB1.p2	TGTCTCCATTATTGATCGGTTCATGCA	27	149
CCND1	NM_001758	S0058/CCND1.f3	GCATGTTCGTGGCCTCTAAGA	21	150
CCND1	NM_001758	S0060/CCND1.r3	CGGTGTAGATGCACAGCTTCTC	22	151
CCND1	NM_001758	S4986/CCND1.p3	AAGGAGACCATCCCCCTGACGGC	23	152
CCNE1	NM_001238	S1446/CCNE1.f1	AAAGAAGATGATGACCGGGTTTAC	24	153
CCNE1	NM_001238	S1447/CCNE1.r1	GAGCCTCTGGATGGTGCAAT	20	154
CCNE1	NM_001238	S4944/CCNE1.p1	CAAACTCAACGTGCAAGCCTCGGA	24	155

Table 6B

Gene	Accession	Probe Name	Seq	Length	SEQ ID NO:
CCNE2	NM_057749	S1458/CCNE2.f2	ATGCTGTGGCTCCTTCCTAACT	22	156
CCNE2	NM_057749	S1459/CCNE2.r2	ACCCAAATTGTGATATACAAAAAGGTT	27	157
CCNE2	NM_057749	S4945/CCNE2.p2	TACCAAGCAACCTACATGTCAAGAAAGCCC	30	158
CD3z	NM_000734	S0064/CD3z.f1	AGATGAAGTGGAAGGCGCTT	20	159
CD3z	NM_000734	S0066/CD3z.r1	TGCCTCTGTAATCGGCAACTG	21	161
CD3z	NM_000734	S4988/CD3z.p1	CACCGCGGCCATCCTGCA	18	160
CD68	NM_001251	S0067/CD68.f2	TGGTTCCCAGCCCTGTGT	18	162
CD68	NM_001251	S0069/CD68.r2	CTCCTCCACCCTGGGTTGT	19	164
CD68	NM_001251	S4734/CD68.p2	CTCCAAGCCCAGATTCAGATTCGAGTCA	28	163
CD9	NM_001769	S0686/CD9.f1	GGGCGTGGAACAGTTTATCT	20	165
CD9	NM_001769	S0687/CD9.r1	CACGGTGAAGGTTTCGAGT	19	166
CD9	NM_001769	S4792/CD9.p1	AGACATCTGCCCCAAGAAGGACGT	24	167
CDH1	NM_004360	S0073/CDH1.f3	TGAGTGTCCCCCGGTATCTTC	21	168
CDH1	NM_004360	S0075/CDH1.r3	CAGCCGCTTTCAGATTTTCAT	21	169
CDH1	NM_004360	S4990/CDH1.p3	TGCCAATCCCGATGAAATTGGAAATTT	27	170
CEGP1	NM_020974	S1494/CEGP1.f2	TGACAATCAGCACACCTGCAT	21	171
CEGP1	NM_020974	S1495/CEGP1.r2	TGTGACTACAGCCGTGATCCTTA	23	172
CEGP1	NM_020974	S4735/CEGP1.p2	CAGGCCCTCTTCCGAGCGGT	20	173
Chk1	NM_001274	S1422/Chk1.f2	GATAAATTGGTACAAGGGATCAGCTT	26	174
Chk1	NM_001274	S1423/Chk1.r2	GGGTGCCAAGTAACTGACTATTCA	24	175
Chk1	NM_001274	S4941/Chk1.p2	CCAGCCCACATGTCCTGATCATATGC	26	176
CIAP1	NM_001166	S0764/CIAP1.f2	TGCCTGTGGTGGGAAGCT	18	177
CIAP1	NM_001166	S0765/CIAP1.r2	GGAAAATGCCTCCGGTGTT	19	178
CIAP1	NM_001166	S4802/CIAP1.p2	TGACATAGCATCATCCTTTGGTTCCCAGTT	30	179
cIAP2	NM_001165	S0076/cIAP2.f2	GGATATTTCCGTGGCTCTTATTCA	24	180
cIAP2	NM_001165	S0078/cIAP2.r2	CTTCTCATCAAGGCAGAAAAATCTT	25	182
cIAP2	NM_001165	S4991/cIAP2.p2	TCTCCATCAAATCCTGTAAACTCCAGAGCA	30	181
cMet	NM_000245	S0082/cMet.f2	GACATTTCCAGTCCTGCAGTCA	22	183
cMet	NM_000245	S0084/cMet.r2	CTCCGATCGCACACATTTGT	20	185
cMet	NM_000245	S4993/cMet.p2	TGCCTCTCTGCCCCACCCTTTGT	23	184
Contig 27882	AK000618	S2633/Contig.f3	GGCATCCTGGCCCAAAGT	18	186
Contig 27882	AK000618	S2634/Contig.r3	GACCCCCTCAGCTGGTAGTTG	21	187
Contig 27882	AK000618	S4977/Contig.p3	CCCAAATCCAGGCGGCTAGAGGC	23	188
COX2	NM_000963	S0088/COX2.f1	TCTGCAGAGTTGGAAGCACTCTA	23	189
COX2	NM_000963	S0090/COX2.r1	GCCGAGGCTTTTCTACCAGAA	21	191
COX2	NM_000963	S4995/COX2.p1	CAGGATACAGCTCCACAGCATCGATGTC	28	190
CTSL	NM_001912	S1303/CTSL.f2	GGGAGGCTTATCTCACTGAGTGA	23	192
CTSL	NM_001912	S1304/CTSL.r2	CCATTGCAGCCTTCATTGC	19	193
CTSL	NM_001912	S4899/CTSL.p2	TTGAGGCCCAGAGCAGTCTACCAGATTCT	29	194
CTSL2	NM_001333	S4354/CTSL2.f1	TGTCTCACTGAGCGAGCAGAA	21	195
CTSL2	NM_001333	S4355/CTSL2.r1	ACCATTGCAGCCCTGATTG	19	196
CTSL2	NM_001333	S4356/CTSL2.p1	CTTGAGGACGCGAACAGTCCACCA	24	197

Table 6C

Gene	Accession	Probe Name	Seq	Length	SEQ ID NO:
DAPK1	NM_004938	S1768/DAPK1.f3	CGCTGACATCATGAATGTTCCT	22	198
DAPK1	NM_004938	S1769/DAPK1.r3	TCTCTTTCAGCAACGATGTGTCTT	24	199
DAPK1	NM_004938	S4927/DAPK1.p3	TCATATCCAAACTCGCCTCCAGCCG	25	200
DIABLO	NM_019887	S0808/DIABLO.f1	CACAATGGCGGCTCTGAAG	19	201
DIABLO	NM_019887	S0809/DIABLO.r1	ACACAAACACTGTCTGTACCTGAAGA	26	202
DIABLO	NM_019887	S4813/DIABLO.p1	AAGTTACGCTGCGCGACAGCCAA	23	203
DR5	NM_003842	S2551/DR5.f2	CTCTGAGACAGTGCTTCGATGACT	24	204
DR5	NM_003842	S2552/DR5.r2	CCATGAGGCCCAACTTCCT	19	205
DR5	NM_003842	S4979/DR5.p2	CAGACTTGGTGCCCTTTGACTCC	23	206
EGFR	NM_005228	S0103/EGFR.f2	TGTCGATGGACTTCCAGAAC	20	207
EGFR	NM_005228	S0105/EGFR.r2	ATTGGGACAGCTTGGATCA	19	209
EGFR	NM_005228	S4999/EGFR.p2	CACCTGGGCAGCTGCCAA	18	208
EIF4E	NM_001968	S0106/EIF4E.f1	GATCTAAGATGGCGACTGTCGAA	23	210
EIF4E	NM_001968	S0108/EIF4E.r1	TTAGATTCCGTTTTCTCCTCTTCTG	25	211
EIF4E	NM_001968	S5000/EIF4E.p1	ACCACCCCTACTCCTAATCCCCCGACT	27	212
EMS1	NM_005231	S2663/EMS1.f1	GGCAGTGTCACTGAGTCCTTGA	22	213
EMS1	NM_005231	S2664/EMS1.r1	TGCACTGTGCGTCCCAAT	18	214
EMS1	NM_005231	S4956/EMS1.p1	ATCCTCCCCTGCCCCGCG	18	215
EpCAM	NM_002354	S1807/EpCAM.f1	GGGCCCTCCAGAACAATGAT	20	216
EpCAM	NM_002354	S1808/EpCAM.r1	TGCACTGCTTGGCCTTAAAGA	21	217
EpCAM	NM_002354	S4984/EpCAM.p1	CCGCTCTCATCGCAGTCAGGATCAT	25	218
EPHX1	NM_000120	S1865/EPHX1.f2	ACCGTAGGCTCTGCTCTGAA	20	219
EPHX1	NM_000120	S1866/EPHX1.r2	TGGTCCAGGTGGAAAACTTC	20	220
EPHX1	NM_000120	S4754/EPHX1.p2	AGGCAGCCAGACCCACAGGA	20	221
ErbB3	NM_001982	S0112/ErbB3.f1	CGGTTATGTCATGCCAGATACAC	23	222
ErbB3	NM_001982	S0114/ErbB3.r1	GAACTGAGACCCACTGAAGAAAGG	24	224
ErbB3	NM_001982	S5002/ErbB3.p1	CCTCAAAGGTACTCCCTCCTCCCGG	25	223
EstR1	NM_000125	S0115/EstR1.f1	CGTGGTGCCCCTCTATGAC	19	225
EstR1	NM_000125	S0117/EstR1.r1	GGCTAGTGGGCGCATGTAG	19	227
EstR1	NM_000125	S4737/EstR1.p1	CTGGAGATGCTGGACGCCC	19	226
FBXO5	NM_012177	S2017/FBXO5.r1	GGATTGTAGACTGTCACCGAAATTC	25	228
FBXO5	NM_012177	S2018/FBXO5.f1	GGCTATTCCTCATTTTCTCTACAAAGTG	28	229
FBXO5	NM_012177	S5061/FBXO5.p1	CCTCCAGGAGGCTACCTTCTTCATGTTCAC	30	230
FGF18	NM_003862	S1665/FGF18.f2	CGGTAGTCAAGTCCGGATCAA	21	231
FGF18	NM_003862	S1666/FGF18.r2	GCTTGCCTTTGCGGTTCA	18	232
FGF18	NM_003862	S4914/FGF18.p2	CAAGGAGACGGAATTCTACCTGTGC	25	233
FGFR1	NM_023109	S0818/FGFR1.f3	CACGGGACATTCACCACATC	20	234
FGFR1	NM_023109	S0819/FGFR1.r3	GGGTGCCATCCACTTCACA	19	235
FGFR1	NM_023109	S4816/FGFR1.p3	ATAAAAAGACAACCAACGGCCGACTGC	27	236
FHIT	NM_002012	S2443/FHIT.f1	CCAGTGGAGCGCTTCCAT	18	237
FHIT	NM_002012	S2444/FHIT.r1	CTCTCTGGGTCGTCTGAAACAA	22	238
FHIT	NM_002012	S2445/FHIT.p1	TCGGCCACTTCATCAGGACGCAG	23	239
FHIT	NM_002012	S4921/FHIT.p1	TCGGCCACTTCATCAGGACGCAG	23	239
FRP1	NM_003012	S1804/FRP1.f3	TTGGTACCTGTGGGTTAGCA	20	240
FRP1	NM_003012	S1805/FRP1.r3	CACATCCAAATGCAAACTGG	20	241

Table 6D

Gene	Accession	Probe Name	Seq	Length	SEQ ID NO:
FRP1	NM_003012	S4983/FRP1.p3	TCCCCAGGGTAGAATTCAATCAGAGC	26	242
G-Catenin	NM_002230	S2153/G-Cate.f1	TCAGCAGCAAGGGCATCAT	19	243
G-Catenin	NM_002230	S2154/G-Cate.r1	GGTGGTTTTCTTGAGCGTGTACT	23	244
G-Catenin	NM_002230	S5044/G-Cate.p1	CGCCCGCAGGCCTCATCCT	19	245
GAPDH	NM_002046	S0374/GAPDH.f1	ATTCCACCCATGGCAAATTC	20	246
GAPDH	NM_002046	S0375/GAPDH.r1	GATGGGATTTCCATTGATGACA	22	247
GAPDH	NM_002046	S4738/GAPDH.p1	CCGTTCTCAGCCTTGACGGTGC	22	248
GATA3	NM_002051	S0127/GATA3.f3	CAAAGGAGCTCACTGTGGTGTCT	23	249
GATA3	NM_002051	S0129/GATA3.r3	GAGTCAGAATGGCTTATTCACAGATG	26	251
GATA3	NM_002051	S5005/GATA3.p3	TGTTCCAACCACTGAATCTGGACC	24	250
GRB7	NM_005310	S0130/GRB7.f2	CCATCTGCATCCATCTTGTT	20	252
GRB7	NM_005310	S0132/GRB7.r2	GGCCACCAGGGTATTATCTG	20	254
GRB7	NM_005310	S4726/GRB7.p2	CTCCCCACCCTTGAGAAGTGCCT	23	253
GRO1	NM_001511	S0133/GRO1.f2	CGAAAAGATGCTGAACAGTGACA	23	255
GRO1	NM_001511	S0135/GRO1.r2	TCAGGAACAGCCACCAGTGA	20	256
GRO1	NM_001511	S5006/GRO1.p2	CTTCCTCCTCCCTTCTGGTCAGTTGGAT	28	257
GSTM1	NM_000561	S2026/GSTM1.r1	GGCCCAGCTTGAATTTTTCA	20	258
GSTM1	NM_000561	S2027/GSTM1.f1	AAGCTATGAGGAAAAGAAGTACACGAT	27	259
GSTM1	NM_000561	S4739/GSTM1.p1	TCAGCCACTGGCTTCTGTCATAATCAGGAG	30	260
GUS	NM_000181	S0139/GUS.f1	CCCACTCAGTAGCCAAGTCA	20	261
GUS	NM_000181	S0141/GUS.r1	CACGCAGGTGGTATCAGTCT	20	263
GUS	NM_000181	S4740/GUS.p1	TCAAGTAAACGGGCTGTTTTCCAAACA	27	262
HER2	NM_004448	S0142/HER2.f3	CGGTGTGAGAAGTGCAGCAA	20	264
HER2	NM_004448	S0144/HER2.r3	CCTCTCGCAAGTGCTCCAT	19	266
HER2	NM_004448	S4729/HER2.p3	CCAGACCATAGCACACTCGGGCAC	24	265
HIF1A	NM_001530	S1207/HIF1A.f3	TGAACATAAAGTCTGCAACATGGA	24	267
HIF1A	NM_001530	S1208/HIF1A.r3	TGAGGTTGGTTACTGTTGGTATCATATA	28	268
HIF1A	NM_001530	S4753/HIF1A.p3	TTGCACTGCACAGGCCACATTCAC	24	269
HNF3A	NM_004496	S0148/HNF3A.f1	TCCAGGATGTTAGGAACTGTGAAG	24	270
HNF3A	NM_004496	S0150/HNF3A.r1	GCGTGTCTGCGTAGTAGCTGTT	22	271
HNF3A	NM_004496	S5008/HNF3A.p1	AGTCGCTGGTTTCATGCCCTTCCA	24	272
ID1	NM_002165	S0820/ID1.f1	AGAACCGCAAGGTGAGCAA	19	273
ID1	NM_002165	S0821/ID1.r1	TCCAACTGAAGGTCCCTGATG	21	274
ID1	NM_002165	S4832/ID1.p1	TGGAGATTCTCCAGCACGTCATCGAC	26	275
IGF1	NM_000618	S0154/IGF1.f2	TCCGGAGCTGTGATCTAAGGA	21	276
IGF1	NM_000618	S0156/IGF1.r2	CGGACAGAGCGAGCTGACTT	20	278
IGF1	NM_000618	S5010/IGF1.p2	TGTATTGCGCACCCCTCAAGCCTG	24	277
IGF1R	NM_000875	S1249/IGF1R.f3	GCATGGTAGCCGAAGATTTCA	21	279
IGF1R	NM_000875	S1250/IGF1R.r3	TTTCCGGTAATAGTCTGTCTCATAGATATC	30	280
IGF1R	NM_000875	S4895/IGF1R.p3	CGCGTCATACCAAAATCTCCGATTTTGA	28	281
IGFBP2	NM_000597	S1128/IGFBP2.f1	GTGGACAGCACCATGAACA	19	282
IGFBP2	NM_000597	S1129/IGFBP2.r1	CCTTCATACCCGACTTGAGG	20	283
IGFBP2	NM_000597	S4837/IGFBP2.p1	CTTCCGGCCAGCACTGCCTC	20	284
IL6	NM_000600	S0760/IL6.f3	CCTGAACCTTCCAAAGATGG	20	285

Table 6E

Gene	Accession	Probe Name	Seq	Length	SEQ ID NO:
IL6	NM_000600	S0761/IL6.r3	ACCAGGCAAGTCTCCTCATT	20	286
IL6	NM_000600	S4800/IL6.p3	CCAGATTGGAAGCATCCATCTTTTTCA	27	287
IRS1	NM_005544	S1943/IRS1.f3	CCACAGCTCACCTTCTGTCA	20	288
IRS1	NM_005544	S1944/IRS1.r3	CCTCAGTGCCAGTCTCTTCC	20	289
IRS1	NM_005544	S5050/IRS1.p3	TCCATCCCAGCTCCAGCCAG	20	290
Ki-67	NM_002417	S0436/Ki-67.f2	CGGACTTTGGGTGCGACTT	19	292
Ki-67	NM_002417	S0437/Ki-67.r2	TTACAACTCTTCCACTGGGACGAT	24	293
Ki-67	NM_002417	S4741/Ki-67.p2	CCACTTGTCGAACCACCGCTCGT	23	291
KLK10	NM_002776	S2624/KLK10.f3	GCCCAGAGGCTCCATCGT	18	294
KLK10	NM_002776	S2625/KLK10.r3	CAGAGGTTTGAACAGTGCAGACA	23	295
KLK10	NM_002776	S4978/KLK10.p3	CCTCTTCCTCCCCAGTCGGCTGA	23	296
KRT14	NM_000526	S1853/KRT14.f1	GGCCTGCTGAGATCAAAGAC	20	297
KRT14	NM_000526	S1854/KRT14.r1	GTCCACTGTGGCTGTGAGAA	20	298
KRT14	NM_000526	S5037/KRT14.p1	TGTTCCTCAGGTCCTCAATGGTCTTG	26	299
KRT17	NM_000422	S0172/KRT17.f2	CGAGGATTGGTTCTTCAGCAA	21	300
KRT17	NM_000422	S0174/KRT17.r2	ACTCTGCACCAGCTCACTGTTG	22	301
KRT17	NM_000422	S5013/KRT17.p2	CACCTCGCGGTTCAGTTCCTCTGT	24	302
KRT18	NM_000224	S1710/KRT18.f2	AGAGATCGAGGCTCTCAAGG	20	303
KRT18	NM_000224	S1711/KRT18.r2	GGCCTTTTACTTCCTCTTCG	20	304
KRT18	NM_000224	S4762/KRT18.p2	TGGTTCTTCTTCATGAAGAGCAGCTCC	27	305
KRT19	NM_002276	S1515/KRT19.f3	TGAGCGGCAGAATCAGGAGTA	21	306
KRT19	NM_002276	S1516/KRT19.r3	TGCGGTAGGTGGCAATCTC	19	307
KRT19	NM_002276	S4866/KRT19.p3	CTCATGGACATCAAGTCGCGGCTG	24	308
KRT5	NM_000424	S0175/KRT5.f3	TCAGTGGAGAAGGAGTTGGA	20	309
KRT5	NM_000424	S0177/KRT5.r3	TGCCATATCCAGAGGAAACA	20	311
KRT5	NM_000424	S5015/KRT5.p3	CCAGTCAACATCTCTGTTGTCACAAGCA	28	310
KRT8	NM_002273	S2588/KRT8.f3	GGATGAAGCTTACATGAACAAGGTAGA	27	312
KRT8	NM_002273	S2589/KRT8.r3	CATATAGCTGCCTGAGGAAGTTGAT	25	313
KRT8	NM_002273	S4952/KRT8.p3	CGTCGGTCAGCCCTTCCAGGC	21	314
LOT1 variant 1	NM_002656	S0692/LOT1 v.f2	GGAAAGACCACCTGAAAAACCA	22	315
LOT1 variant 1	NM_002656	S0693/LOT1 v.r2	GTACTTCTTCCCACACTCCTCACA	24	316
LOT1 variant 1	NM_002656	S4793/LOT1 v.p2	ACCCACGACCCCAACAAAATGGC	23	317
Maspin	NM_002639	S0836/Maspin.f2	CAGATGGCCACTTTGAGAACATT	23	318
Maspin	NM_002639	S0837/Maspin.r2	GGCAGCATTAACCACAAGGATT	22	319
Maspin	NM_002639	S4835/Maspin.p2	AGCTGACAACAGTGTGAACGACCAGACC	28	320
MCM2	NM_004526	S1602/MCM2.f2	GACTTTTGCCCGCTACCTTTC	21	321
MCM2	NM_004526	S1603/MCM2.r2	GCCACTAACTGCTTCAGTATGAAGAG	26	322
MCM2	NM_004526	S4900/MCM2.p2	ACAGCTCATTGTTGTCACGCCGGA	24	323
MCM3	NM_002388	S1524/MCM3.f3	GGAGAACAATCCCCTTGAGA	20	324
MCM3	NM_002388	S1525/MCM3.r3	ATCTCCTGGATGGTGATGGT	20	325
MCM3	NM_002388	S4870/MCM3.p3	TGGCCTTTCTGTCTACAAGGATCACCA	27	326
MCM6	NM_005915	S1704/MCM6.f3	TGATGGTCCTATGTGTCACATTCA	24	327
MCM6	NM_005915	S1705/MCM6.r3	TGGGACAGGAAACACACCAA	20	328

Table 6F

Gene	Accession	Probe Name	Seq	Length	SEQ ID NO:
MCM6	NM_005915	S4919/MCM6.p3	CAGGTTTCATACCAACACAGGCTTCAGCAC	30	329
MDM2	NM_002392	S0830/MDM2.f1	CTACAGGGACGCCATCGAA	19	330
MDM2	NM_002392	S0831/MDM2.r1	ATCCAACCAATCACCTGAATGTT	23	331
MDM2	NM_002392	S4834/MDM2.p1	CTTACACCAGCATCAAGATCCGG	23	332
MMP9	NM_004994	S0656/MMP9.f1	GAGAACCAATCTCACCGACA	20	333
MMP9	NM_004994	S0657/MMP9.r1	CACCCGAGTGTAACCATAGC	20	334
MMP9	NM_004994	S4760/MMP9.p1	ACAGGTATTCCTCTGCCAGCTGCC	24	335
MTA1	NM_004689	S2369/MTA1.f1	CCGCCCTCACCTGAAGAGA	19	336
MTA1	NM_004689	S2370/MTA1.r1	GGAATAAGTTAGCCGCGCTTCT	22	337
MTA1	NM_004689	S4855/MTA1.p1	CCCAGTGTCCGCCAAGGAGCG	21	338
MYBL2	NM_002466	S3270/MYBL2.f1	GCCGAGATCGCCAAGATG	18	339
MYBL2	NM_002466	S3271/MYBL2.r1	CTTTTGATGGTAGAGTTCCAGTGATTC	27	340
MYBL2	NM_002466	S4742/MYBL2.p1	CAGCATTGTCTGTCCTCCCTGGCA	24	341
P14ARF	S78535	S2842/P14ARF.f1	CCCTCGTGCTGATGCTACT	19	342
P14ARF	S78535	S2843/P14ARF.r1	CATCATGACCTGGTCTTCTAGG	22	343
P14ARF	S78535	S4971/P14ARF.p1	CTGCCCTAGACGCTGGCTCCTC	22	344
p27	NM_004064	S0205/p27.f3	CGGTGGACCACGAAGAGTTAA	21	345
p27	NM_004064	S0207/p27.r3	GGCTCGCCTCTTCCATGTC	19	347
p27	NM_004064	S4750/p27.p3	CCGGGACTTGGAGAAGCACTGCA	23	346
P53	NM_000546	S0208/P53.f2	CTTTGAACCCTTGCTTGCAA	20	348
P53	NM_000546	S0210/P53.r2	CCCGGGACAAAGCAAATG	18	350
P53	NM_000546	S5065/P53.p2	AAGTCCTGGGTGCTTCTGACGCACA	25	349
PAI1	NM_000602	S0211/PAI1.f3	CCGCAACGTGGTTTTCTCA	19	351
PAI1	NM_000602	S0213/PAI1.r3	TGCTGGGTTTCTCCTCCTGTT	21	353
PAI1	NM_000602	S5066/PAI1.p3	CTCGGTGTTGGCCATGCTCCAG	22	352
PDGFRb	NM_002609	S1346/PDGFRb.f3	CCAGCTCTCCTTCCAGCTAC	20	354
PDGFRb	NM_002609	S1347/PDGFRb.r3	GGGTGGCTCTCACTTAGCTC	20	355
PDGFRb	NM_002609	S4931/PDGFRb.p3	ATCAATGTCCCTGTCCGAGTGCTG	24	356
PI3KC2A	NM_002645	S2020/PI3KC2.r1	CACACTAGCATTTTCTCCGCATA	23	357
PI3KC2A	NM_002645	S2021/PI3KC2.f1	ATACCAATCACCGCACAAACC	21	358
PI3KC2A	NM_002645	S5062/PI3KC2.p1	TGCGCTGTGACTGGACTTAACAAATAGCCT	30	359
PPM1D	NM_003620	S3159/PPM1D.f1	GCCATCCGCAAAGGCTTT	18	360
PPM1D	NM_003620	S3160/PPM1D.r1	GGCCATTCCGCCAGTTTC	18	361
PPM1D	NM_003620	S4856/PPM1D.p1	TCGCTTGTCACCTTGCCATGTGG	23	362
PR	NM_000926	S1336/PR.f6	GCATCAGGCTGTCATTATGG	20	363
PR	NM_000926	S1337/PR.r6	AGTAGTTGTGCTGCCCTTCC	20	364
PR	NM_000926	S4743/PR.p6	TGTCCTTACCTGTGGGAGCTGTAAGGTC	28	365
PRAME	NM_006115	S1985/PRAME.f3	TCTCCATATCTGCCTTGCAGAGT	23	366
PRAME	NM_006115	S1986/PRAME.r3	GCACGTGGGTCAGATTGCT	19	367
PRAME	NM_006115	S4756/PRAME.p3	TCCTGCAGCACCTCATCGGGCT	22	368
pS2	NM_003225	S0241/pS2.f2	GCCCTCCCAGTGTGCAAAT	19	369
pS2	NM_003225	S0243/pS2.r2	CGTCGATGGTATTAGGATAGAAGCA	25	371
pS2	NM_003225	S5026/pS2.p2	TGCTGTTTCGACGACACCGTTCG	23	370
RAD51C	NM_058216	S2606/RAD51C.f3	GAACTTCTTGAGCAGGAGCATACC	24	372

Table 6G

Gene	Accession	Probe Name	Seq	Length	SEQ ID NO:
RAD51C	NM_058216	S2607/RAD51C.r3	TCCACCCCCAAGAATATCATCTAGT	25	373
RAD51C	NM_058216	S4764/RAD51C.p3	AGGGCTTCATAATCACCTTCTGTTC	25	374
RB1	NM_000321	S2700/RB1.f1	CGAAGCCCTTACAAGTTTCC	20	375
RB1	NM_000321	S2701/RB1.r1	GGACTCTTCAGGGGTGAAAT	20	376
RB1	NM_000321	S4765/RB1.p1	CCCTTACGGATTCCTGGAGGGAAC	24	377
RIZ1	NM_012231	S1320/RIZ1.f2	CCAGACGAGCGATTAGAAGC	20	378
RIZ1	NM_012231	S1321/RIZ1.r2	TCCTCCTCTTCCTCCTCCTC	20	379
RIZ1	NM_012231	S4761/RIZ1.p2	TGTGAGGTGAATGATTTGGGGGA	23	380
STK15	NM_003600	S0794/STK15.f2	CATCTTCCAGGAGGACCACT	20	381
STK15	NM_003600	S0795/STK15.r2	TCCGACCTTCAATCATTTCA	20	382
STK15	NM_003600	S4745/STK15.p2	CTCTGTGGCACCCTGGACTACCTG	24	383
STMY3	NM_005940	S2067/STMY3.f3	CCTGGAGGCTGCAACATACC	20	384
STMY3	NM_005940	S2068/STMY3.r3	TACAATGGCTTTGGAGGATAGCA	23	385
STMY3	NM_005940	S4746/STMY3.p3	ATCCTCCTGAAGCCCTTTTCGCAGC	25	386
SURV	NM_001168	S0259/SURV.f2	TGTTTTGATTCCCGGGCTTA	20	387
SURV	NM_001168	S0261/SURV.r2	CAAAGCTGTCAGCTCTAGCAAAAG	24	389
SURV	NM_001168	S4747/SURV.p2	TGCCTTCTTCCTCCCTCACTTCTCACCT	28	388
TBP	NM_003194	S0262/TBP.f1	GCCCGAAACGCCGAATATA	19	390
TBP	NM_003194	S0264/TBP.r1	CGTGGCTCTCTTATCCTCATGAT	23	392
TBP	NM_003194	S4751/TBP.p1	TACCGCAGCAAACCGCTTGGG	21	391
TGFA	NM_003236	S0489/TGFA.f2	GGTGTGCCACAGACCTTCCT	20	393
TGFA	NM_003236	S0490/TGFA.r2	ACGGAGTTCTTGACAGAGTTTTGA	24	394
TGFA	NM_003236	S4768/TGFA.p2	TTGGCCTGTAATCACCTGTGCAGCCTT	27	395
TIMP1	NM_003254	S1695/TIMP1.f3	TCCCTGCGGTCCCAGATAG	19	396
TIMP1	NM_003254	S1696/TIMP1.r3	GTGGGAACAGGGTGGACACT	20	397
TIMP1	NM_003254	S4918/TIMP1.p3	ATCCTGCCCGGAGTGGAACTGAAGC	25	398
TOP2A	NM_001067	S0271/TOP2A.f4	AATCCAAGGGGGAGAGTGAT	20	399
TOP2A	NM_001067	S0273/TOP2A.r4	GTACAGATTTTGCCCGAGGA	20	401
TOP2A	NM_001067	S4777/TOP2A.p4	CATATGGACTTTGACTCAGCTGTGGC	26	400
TOP2B	NM_001068	S0274/TOP2B.f2	TGTGGACATCTTCCCCTCAGA	21	402
TOP2B	NM_001068	S0276/TOP2B.r2	CTAGCCCGACCGGTTCGT	18	404
TOP2B	NM_001068	S4778/TOP2B.p2	TTCCCTACTGAGCCACCTTCTCTG	24	403
TP	NM_001953	S0277/TP.f3	CTATATGCAGCCAGAGATGTGACA	24	405
TP	NM_001953	S0279/TP.r3	CCACGAGTTTCTTACTGAGAATGG	24	407
TP	NM_001953	S4779/TP.p3	ACAGCCTGCCACTCATCACAGCC	23	406
TP53BP2	NM_005426	S1931/TP53BP.f2	GGGCCAAATATTCAGAAGC	19	408
TP53BP2	NM_005426	S1932/TP53BP.r2	GGATGGGTATGATGGGACAG	20	409
TP53BP2	NM_005426	S5049/TP53BP.p2	CCACCATAGCGGCCATGGAG	20	410
TRAIL	NM_003810	S2539/TRAIL.f1	CTTCACAGTGCTCCTGCAGTCT	22	411
TRAIL	NM_003810	S2540/TRAIL.r1	CATCTGCTTCAGCTCGTTGGT	21	412
TRAIL	NM_003810	S4980/TRAIL.p1	AAGTACACGTAAGTTACAGCCACACA	26	413
TS	NM_001071	S0280/TS.f1	GCCTCGGTGTGCCTTTCA	18	414
TS	NM_001071	S0282/TS.r1	CGTGATGTGCGCAATCATG	19	416
TS	NM_001071	S4780/TS.p1	CATCGCCAGCTACGCCCTGCTC	22	415
upa	NM_002658	S0283/upa.f3	GTGGATGTGCCCTGAAGGA	19	417

Table 6H

Gene	Accession	Probe Name	Seq	Length	SEQ ID NO:
upa	NM_002658	S0285/upa.r3	CTGCGGATCCAGGGTAAGAA	20	418
upa	NM_002658	S4769/upa.p3	AAGCCAGGCGTCTACACGAGAGTCTCAC	28	419
VDR	NM_000376	S2745/VDR.f2	GCCCTGGATTTCAGAAAGAG	20	420
VDR	NM_000376	S2746/VDR.r2	AGTTACAAGCCAGGGAAGGA	20	421
VDR	NM_000376	S4962/VDR.p2	CAAGTCTGGATCTGGGACCCTTTCC	25	422
VEGF	NM_003376	S0286/VEGF.f1	CTGCTGTCTTGGGTGCATTG	20	423
VEGF	NM_003376	S0288/VEGF.r1	GCAGCCTGGGACCACTTG	18	424
VEGF	NM_003376	S4782/VEGF.p1	TTGCCTTGCTGCTCTACCTCCACCA	25	425
VEGFB	NM_003377	S2724/VEGFB.f1	TGACGATGGCCTGGAGTGT	19	426
VEGFB	NM_003377	S2725/VEGFB.r1	GGTACCGGATCATGAGGATCTG	22	427
VEGFB	NM_003377	S4960/VEGFB.p1	CTGGGCAGCACCAAGTCCGGA	21	428
WISP1	NM_003882	S1671/WISP1.f1	AGAGGCATCCATGAACTTCACA	22	429
WISP1	NM_003882	S1672/WISP1.r1	CAAACTCCACAGTACTTGGGTTGA	24	430
WISP1	NM_003882	S4915/WISP1.p1	CGGGCTGCATCAGCACACGC	20	431
XIAP	NM_001167	S0289/XIAP.f1	GCAGTTGGAAGACACAGGAAAGT	23	432
XIAP	NM_001167	S0291/XIAP.r1	TGCGTGGCACTATTTTCAAGA	21	434
XIAP	NM_001167	S4752/XIAP.p1	TCCCCAAATTGCAGATTTATCAACGGC	27	433
YB-1	NM_004559	S1194/YB-1.f2	AGACTGTGGAGTTTGATGTTGTTGA	25	435
YB-1	NM_004559	S1195/YB-1.r2	GGAACACCACCAGGACCTGTAA	22	436
YB-1	NM_004559	S4843/YB-1.p2	TTGCTGCCTCCGCACCCTTTTCT	23	437
ZNF217	NM_006526	S2739/ZNF217.f3	ACCCAGTAGCAAGGAGAAGC	20	438
ZNF217	NM_006526	S2740/ZNF217.r3	CAGCTGGTGGTAGGTTCTGA	20	439
ZNF217	NM_006526	S4961/ZNF217.p3	CACTCACTGCTCCGAGTGCGG	21	440